

Message

From: Carmine Vasile [gfx-ch@msn.com]
Sent: 9/24/2013 7:34:23 PM
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Subject: Comments & Questions RE: LI News 12 Water Series

Claudia: Here are a few simpler questions derived from comments posted to extended coverage videos
@ <http://longisland.news12.com/features/water>

1. If they treat to "non-detect" levels below State & Federal standards, why did the Bethpage Water District Board of Commissioners shut down one of its wells in January of 2013 because of Radium contamination because?
2. How can the current Bethpage water quality report state there is no MCL for Radium-226 or Radium-228, after noting on their website **"The State and Federal standards for Radium in drinking water are 5 picocuries per liter based on a running four quarter average of water quality tests"**?
3. Why did they allow peak levels of Radium-228 to rise from 1.94 to 2.18 pCi/L since 2006?
4. **How is this rise explained, when Radium-228's half-life is only 5.8 years compared to 1,600 for Radium-226?**
5. Why is this loophole in the NYS Health Code: **"3. If an acceptable source of drinking water is not available for use, treatment is the preferred option over blending. Blending shall not be allowed if a generally acceptable and available treatment technology or new source exists at a reasonable or lesser cost."** (Blending Policy for Use Sources of Drinking Water, Item WSP 68 TR, 8/7/07)
6. Why did Mr. Gaughran make it seem the SCWA treats each well to "non-detect" levels?
7. Why didn't he answer the question; that blending contaminated sources to save money -- even if it's illegal to blend untested radioactive sources?

Carmine

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From: claudiaborecky@gmail.com
Subject: Re: LI News 12 Water Series
Date: Mon, 23 Sep 2013 20:18:34 -0400
To: gfx-ch@msn.com

Boy Carmine, i wish you were on the panel. I'm not a scientist and as a community leader can only speak about how it affects our community. Please provide me with some questions in layman's terms on how I should best

pose the questions I need to ask to make sure that action is taken to protect our people from the poisons within our water.

Sent from my iPhone

On Sep 23, 2013, at 5:58 PM, Carmine Vasile <gfx-ch@msn.com> wrote:

Claudia & Sandra: My wife and I just watched the first episode of *What's in the Water*. As expected, there was no mention of Radionuclides by Adrienne Esposito, Mike Boufis, or Pat Dolan although pg. 1 of the "Well 4-1..." attachment states: **"As was reported today in *Newsday*, the Bethpage Water District Board of Commissioners has taken proactive precautionary measures and shut down one of its drinking water supply wells to investigate higher than usual levels of Radium."**

Pat Dolan said public water supplies are safe, but recommended private well owners to have their water tested each year. To what standard, he didn't say.

If either of you, or those copied, are allowed to speak on Thursday, here are some simple questions for the experts, based upon the attachments --- which can be used by Ethan to resubmit his petition to make Grumman a Superfund site:

1. Is it true: **"NYSDOH and EPA do not have an equivalent table for naturally occurring beta and photon emitters -- only for man-made radionuclides?"**
2. If true, how could any LI water company or NYDOH Compliance Officer certify compliance with the 4 mrem MCL of any public water system by performing "Sum-of-the-Fractions" calculations mandated in the EPA's radionuclides regulations set in 1976?
3. Wouldn't this explain Bethpage's high cancer rates because 2006 & 2012 tests on the now closed Well 4-1 show peak Radium 226/228 levels actually increased from 3.61/1.94 to 3.62/2.18 pCi/L between 2006 & 2012?
4. Since the half life of Radium-228 is only 5.8 years compared to 1,600 for Radium-226, shouldn't peak Radium-228 activity levels have dropped to less than 0.97 instead of increasing to 2.18 pCi/L in 6 years????
5. Would this increase indicate Grumman buried a reactor, or some other source of Radium-228, in one of its dumps?
6. Why hasn't the EPA intervened; given the aquifer feeding Bethpage & Hempstead is known to be contaminated with Radium-226/228; both of which emit cancer-causing Beta & Alpha particles -- contrary to this erroneous statement by some NYSDOH radionuclides expert: **"Please note that Radium-226 is an alpha particle emitter, and Radium-228 is a naturally occurring beta particle emitter. Therefore, the MCL of 4 mrem/year is not applied to these isotopes. However, they are regulated with the combined Radium-226/228 MCL of 5 pCi/L."**
7. Without performing the Sum-of-the-Fractions method, how could the Bethpage Water Commissioners post this on their website: **"On behalf of the Bethpage Water District, we would like to inform our customers that our drinking water has been and continues to be safe with which to drink, wash, cook and bathe"** when they know Radium 226 and/or 228 levels in Well 4-1 have increased since 2006? (Quote from "Well 4-1..." attachment)

Carmine

From: [dg](#) Personal Privacy/ Ex 6 email

To: [jd](#)
[pake](#)
CC: [d](#)

Personal Privacy/ Ex 6 email

Subject: LI News 12 Water Series

Date: Mon, 16 Sep 2013 17:12:08 -0400

Starting next Monday 9/23 through 9/27 News 12 is going to run series on LI water I believe starting about 5pm. Thursday will be 7-8pm according to info given to me. They interviewed me today in my home but don't know if my interview will be used or not.

Sandra

<Resp-FOIL#13-08-239-9_11_13.pdf>

<Well 4-1 & Hemp.pdf>